

content of the fuel is in a range from about 0.2 percent to about 20 percent oxygen with the proviso that

$$[10^{\circ} \text{ C.} + (\text{IBP}) \text{ composition}] > (\text{IBP}) \text{ distillates},$$

where (IBP) composition is the initial boiling point of the composition and (IBP) distillates, is the initial boiling point of the distillates.

24. A fuel for use in compression ignition internal combustion engines, comprising: as a predominant component organic distillates, and one or more oxygen-containing organic compounds in amounts such that the oxygen content of the fuel is in a range from about 0.2 percent to about 10 percent oxygen with the proviso that

$$[10^{\circ} \text{ C.} + (\text{IBP}) \text{ composition}] > (\text{IBP}) \text{ distillates},$$

where (IBP) composition is the initial boiling point of the composition and (IBP) distillates, is the initial boiling point of the distillates, and wherein the fuel exhibits a suitable flash point of at least 38° C. as measure by ASTM D93, and contains less than 15 ppm sulfur.

25. A fuel for use in spark ignition internal combustion engines, comprising: as a predominant component organic distillates, and one or more oxygen-containing organic compound selected from the group consisting of aryl oxygenates of Type II and Type III in amounts such that the oxygen content of the fuel is in a range from about 0.2 percent to about 10 percent oxygen, and wherein the fuel exhibits a suitable Reid vapor pressure of at least 6 psi and contains less than 15 ppm sulfur.

26. A composition for fuel or blending component for fuels which are liquid at ambient conditions, which composition comprises: as a predominant component organic distillates which contain less than 15 ppm sulfur, and oxygen-containing organic

compounds derived from natural petroleum in amounts such that the oxygen content of the fuel is in a range from about 0.2 percent to about 10 percent oxygen with the proviso that

$$[10^{\circ} \text{C.} + (\text{IBP}) \text{ composition}] > (\text{IBP}) \text{ distillates},$$

- 5 where (IBP) composition is the initial boiling point of the composition and (IBP) distillates, is the initial boiling point of the distillates, and wherein at least 10 percent of the oxygen is contained in cyclic benzylic ketones.

- 10 27. The composition according to claim 13 wherein at least 10 percent of the oxygen is further contained in Type II aryl oxygenates where R is hydrogen or a hydrocarbon radical containing from 1 to about 10 carbon atoms.

Kindly amend Claims 3 to 5, 7, 8, 11 and 12 to read as follows:

- 15 3. The composition according to claim 23 wherein the predominant component is a mixture of organic compounds derived from natural petroleum.

- 20 4. The composition according to claim 23 wherein the predominant component comprises alkanes containing from 5 to about 15 carbon atoms of which at least about 85 percent are normal alkanes.

5. The composition according to claim 23 further comprising an effective amount of one or more fuel additives which enhance desired fuel properties.

- 25 7. The composition according to claim 24 wherein the fuel exhibits a suitable flash point of at least 49° C.

8. The composition according to claim 24 further comprising an effective amount of one or more Diesel fuel

additives selected from the group consisting of copolymers of ethylene and vinyl acetate, which enhances cold flow properties of Diesel fuel.

11. The composition according to claim 10 wherein at least
5 26 percent of the oxygen is contained in cyclic benzylic diketones.

12. The composition according to claim 11 further comprising an effective amount of one or more fuel additives which enhance desired fuel properties.